Chatla Manikanta

Machine Learning Engineer
B.Tech - (2022-26)
Computer Science Engineering
Dr.M.G.R.Educational and Research Institute

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. CSE	Dr.M.G.R.Educational and Research Institute	9.2	2022-26
Senior Secondary	APBIE Board	97.8%	2020-22
Secondary	BSEAP Board	97.16%	2020

Experience

Intern, Edunet Foundation *April. 2025 - May. 2025*
AICTE Internship Program – AI/ML Division

- Completed intensive training on Supervised and Unsupervised Machine Learning, Deep Learning, and Neural Networks.
- Architected and launched **Career Sage**, an AI-driven platform delivering personalized career guidance tool that recommends personalized career paths using academic and interest-based inputs.
- Applied various supervised ML algorithms including **Logistic Regression**, **SVM**, **Decision Trees**, and **Random Forest** for classification tasks.
- Applied unsupervised learning methods like **K-Means** and **Hierarchical Clustering** to group users based on interest profiles.
- Integrated **OpenAI API** and **Cohere API** to enhance career suggestions through NLP-based summarization and content generation.
- Acquired practical expertise in training models, evaluation, feature engineering, and end-to-end pipeline deployment.
- Technologies used: **Python, Pandas, NumPy, Scikit-learn, FastAPI, OpenAI API, Cohere API**.

Projects

- **Student Career Prediction** *April. 2025 – May. 2025*
  Machine Learning Project GitHub
  – Built an ML model that takes students' academic data and interests as input to recommend suitable career paths.
  – Structured to support students who are uncertain about their future career choices by providing AI-guided recommendations.
  – Technologies used: **Python, Pandas, Scikit-learn, Random Forest, Cohere API**.

- **Chat Engine** *Feb. 2025 - April. 2025*
  Web Development Github
  – Created a chat-based search engine similar to Google, where the system retrieves top-rated website content and generates a summarized response in 500–600 words without showing multiple links.
  – Focused on user-friendly interaction and answer relevancy through backend logic and filtering algorithms.
  – Technologies used: **HTML, CSS, Bootstrap, JavaScript, FastAPI, MySQL**.

- **E-Commerce Website** *Oct. 2024 - Jan. 2025*
  Web Development Github
  – Constructed an Amazon-like eCommerce website featuring a wide range of products and cart-based order placement functionality.
  – Technologies used: **HTML, CSS, Bootstrap, JavaScript**.

Technical Skills

- **Programming**: Python, Java
- **Development**: HTML, CSS, JavaScript, FastAPI
- **Databases**: MySQL *(familiar)*
- **CS Subjects**: Data structures and Algorithms, OOPs concepts, Operating system
- **Machine Learning**: Classification, Regression, Clustering, Scikit-learn, Matplotlib, Seaborn, XGBoost, Feature Engineering, Pandas, Numpy

Certifications

- **AI and Machine Learning Internship**
  AICTE – Edunet Foundation *Apr. 2025 - May. 2025*
- **Python Programming (Code In Place)**
  Stanford University *Apr. 2025 - June. 2025*